

PATENT

Docket No.: M4065.0082/P082-A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Paul Farrar

Serial No.: Not Yet Assigned

Group Art Unit: 2812

Filed: August 14, 2000

Examiner: R. Pompey

For: METHOD OF FORMING A
MICRO SOLDER BALL FOR
USE IN C4 BONDING PROCESS

Assistant Commissioner for Patents
Washington, D.C. 20231



INFORMATION DISCLOSURE STATEMENT (IDS)

Dear Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- x 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. 1.491, OR before the mailing date of a first Office Action on the merits, whichever event occurs last. No certification or fee is required. 37 C.F.R. 1.97(b).
2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Rejection or Notice of Allowance. 37 C.F.R. 1.97(c).

- _____ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).
- _____ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).
- _____ c. Attached is our check in the amount of \$240.00 in payment of the fee under 37 C.F.R. 1.17(p). Please charge any fee deficiencies, or credit any overpayment, to Deposit Account No. 4 - 1073 as needed to ensure consideration of the Information Disclosure Statement. Two duplicate copies of this paper are attached.
- _____ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage, AND after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$130.00 in payment of the petition fee under 37 C.F.R. 1.17(i)(1). Please credit or debit Deposit Account No. 4 - 1073 as needed to ensure consideration of the Information Disclosure Statement. Two duplicate copies of this paper are attached.
- _____ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).
- _____ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).

- ☐ 4. Translations of the non-English language references are enclosed.
 ☐ Full
 ☐ Partial
 ☐ Summary/abstract
- ☐ 5. A copy of a foreign application communication from a related foreign application discussing the relevancy of the references is attached.
- ☒ 6. A copy of the references can be found in the parent case, U.S. Application No. 09/134,363.

Dated: August 14, 2000

Respectfully submitted,

By 

Thomas J. D'Amico

Registration No.: 28,371

DICKSTEIN SHAPIRO MORIN &
OSHINSKY LLP

2101 L Street NW

Washington, DC 20037-1526

(202) 785-9700

Attorneys for Applicant

INFORMATION DISCLOSURE CITATION IN AN APPLICATION				Docket Number		Application Number	
				M4065.0082/P082-A		Not Yet Assigned	
				Applicant(s)			
				Paul Farrar			
				Filing Date		Group Art Unit	
August 14, 2000		2812					
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	4,532,002	07/1985	WHITE			
	B	4,606,998	08/1986	CLODGO et al.			
	C	5,457,345	10/1995	COOK et al.			
	D	5,667,132	09/1997	CHIROVSKY et al.			
	E	5,691,239	11/1997	HAKEY et al.			
	F	5,762,259	06/1998	HUBACHER et al.			
	G	5,786,270	07/1998	GORRELL et al.			
	H	5,838,069	11/1998	ITAI et al.			
	I	5,866,475	02/1999	YANAGIDA			
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	J	Soller et al., "A FLEXIBLE MULTI-LAYER RESIST SYSTEM USING LOW TEMPERATURE PLASMA-DEPOSITED SILICON NITRIDE," Journal of the Electrochemical Society, Vol. 131, No. 4, pages 868-72, April 1984.					

EXAMINER	DATE CONSIDERED
R. Pompey	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	